

Listing of Claims:

Claims 1-32 (Canceled).

33. (New) An image signal generation circuit comprising:
a display panel in which RGB dots of one color are
horizontally shifted by 1.5 pixels in two adjacent lines from an
initial pixel configuration represented by color components;

5 a first horizontal pixel number conversion means for
converting a horizontal pixel number of image data of a
luminance/chrominance system to a horizontal pixel number
suitable for generation of video signals for a specific
television system; and

10 a first image signal generation means for generating, from
the image data of the luminance/chrominance system whose
horizontal pixel number has been converted by the first
horizontal pixel number conversion means, an RGB signal suitable
to be output to the display panel,

15 wherein the first horizontal pixel number conversion means
comprises:

(i) an RGB signal generation means for generating an
RGB signal from the image data of the luminance/chrominance
system whose horizontal pixel number has been converted; and

20 (ii) a color component selection means for selecting
one color component data from each odd number pixel in a first
line of the RGB signal, selecting one color component data from
each even number pixel in a second line of the RGB signal
adjacent to the first line thereof, and converting the number of
25 horizontal pixels of the RGB signal to the number of horizontal
pixels suitable for display on the display panel; and

wherein the color component selection means selects color
component data from the RGB signal so that the selected data form
a color component arrangement identical to that of RGB dots on
30 the display panel, and the color component selection means
selects color component data of one color so that the color
component data of the selected one color in the first line of the
RGB signal are shifted horizontally by three pixels from the
second line of the RGB signal that is adjacent to the first line
35 thereof.

34. (New) The image signal generation circuit according to
claim 33, further comprising:

an external output terminal; and

5 a second image signal generation means for generating, from
the image data of the luminance/chrominance system whose
horizontal pixel number has been converted by the first

horizontal pixel number conversion means, a video signal suitable to be output to the external output terminal.

35. (New) The image signal generation circuit according to claim 33, wherein the specific television system is an NTSC system.

36. (New) An image signal generation method comprising:
shifting RGB dots of one color horizontally by 1.5 pixels in two adjacent lines of a display panel from an initial pixel configuration represented by color components;

5 converting a horizontal pixel number of image data of a luminance/chrominance system to a horizontal pixel number suitable for generation of video signals for a specific television system; and

10 generating, from the image data of the luminance/chrominance system whose horizontal pixel number has been converted, an RGB signal suitable to be output to the display panel

15 wherein the converting comprises generating an RGB signal from the image data of the luminance/chrominance system whose horizontal pixel number has been converted, and selecting one color component data from each odd number pixel in a first line of the RGB signal, selecting one color component data from each even number pixel in a second line of the RGB signal adjacent to

the first line thereof, and converting the number of horizontal
pixels of the RGB signal to the number of horizontal pixels
suitable for display on the display panel; and

wherein color component data is selected from the RGB signal
so that the selected data form a color component arrangement
identical to that of the RGB dots on the display panel, and color
component data of one color is selected so that the color
component data of the selected one color in the first line of the
RGB signal are shifted horizontally by three pixels from the
second line of the RGB signal that is adjacent to the first line
thereof.